

## Learning Set 3



### The Whirligig Challenge

Read through the top half of page 35.



*What is the challenge you need to accomplish?*

Read the rest of page 35. Identify the criteria and constraints below:

<i>Criteria</i>	<i>Constraints</i>

### **3.1 Understand the Challenge**

**Thinking about How Things Fall**

**Read page 36 and the top of page 37. Stop and wait for your teacher's instructions and demonstration. You will be taking notes on the Demonstration Notes sheet.**



**Read through the "Conference" section on page 37 and discuss your predictions and observations with your group.**

*Record your notes here:*

**Read through the “Be a Scientist” section on pages 37 and 38.**

*What is the purpose of a Project Board?*

**Read the section “Create the Project Board” on pages 38 and 39.  
Fill in the first two columns based on the discussion with your class.**

**Read through the “Be a Scientist” section on page 39.**

*What is the purpose of “messing about?”*

**Read through the “Mess About with the Whirligig” section on pages 40 and 41. Follow the directions in the textbook, and record your observations on the “Messing-About Observations” sheet.**



**After you discuss your observations with your group, read the bottom of page 41 with your class and update your Project Board.**

**What’s the Point?**

**Read through this section on page 42.**

*What are two things you did in this lesson, working like a scientist to solve a problem?*

1.

2.